



2015 District of Columbia

Partnership for Assessment of Readiness for College and Careers (PARCC)

3RD-8TH GRADE RESULTS

Office of the State Superintendent of Education
Hanseul Kang, State Superintendent
Monday, November 30, 2015





Background

- DC students and students in 11 other states took PARCC in the 2014-15 school year
 - AR, CO, IL, LA, MD, MA, MS, NJ, NM, OH, RI
- Required 2014-15 PARCC assessments:
 - English language arts/literacy and math in grades 3-8
 - English II and Geometry/Integrated Math II in high school
- OSSE is releasing statewide results, which include District of Columbia Public Schools and public charter schools



Comparing DC CAS and PARCC

- Across the country, too many of our students are reaching college and finding themselves unprepared for first year coursework
- PARCC presents a fuller and more authentic picture of student learning. For example, consider these 4th grade math questions:

DC CAS: Mike eats $\frac{1}{5}$ of a pizza. Laura eats $\frac{2}{5}$ of the same pizza. How much pizza is left over?

PARCC: A student's work to add the mixed numbers $1\frac{3}{4}$ and $2\frac{3}{4}$ is shown.

$$1\frac{3}{4} + 2\frac{3}{4} = \frac{4}{4} + \frac{3}{4} + \frac{8}{4} + \frac{3}{4}$$

$$= \frac{4 + 3 + 8 + 3}{4 + 4 + 4 + 4}$$

$$= \frac{18}{16}$$

Explain any errors you see in the work. Find the correct solution. Show your work or explain your answer.



Performance Levels

On Track for College and
Career Readiness ↑

PARCC Performance Levels	
Level 5	Exceeded expectations
Level 4	Met expectations
Level 3	Approached expectations
Level 2	Partially met expectations
Level 1	Did not yet meet expectations



How Was PARCC Administered in DC?

92 percent of DC students took PARCC online, outpacing
most other states

of 3rd – 8th Grade ELA Assessments

3 rd	4 th	5 th	6 th	7 th	8 th
5,535	4,970	4,566	4,324	4,051	4,127

of 3rd – 8th Grade Math Assessments

3 rd	4 th	5 th	6 th	7 th	8 th
5,539	4,985	4,595	4,326	3,820	3,167



How Was PARCC Administered in DC?

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3 rd	4 th	5 th	6 th	7 th	8 th
5,535	4,970	4,566	4,324	4,051	4,127

of 3rd – 8th Grade Math Assessments

3 rd	4 th	5 th	6 th	7 th	8 th	ALG I	GEO
5,539	4,985	4,595	4,326	3,820	3,167	993	197

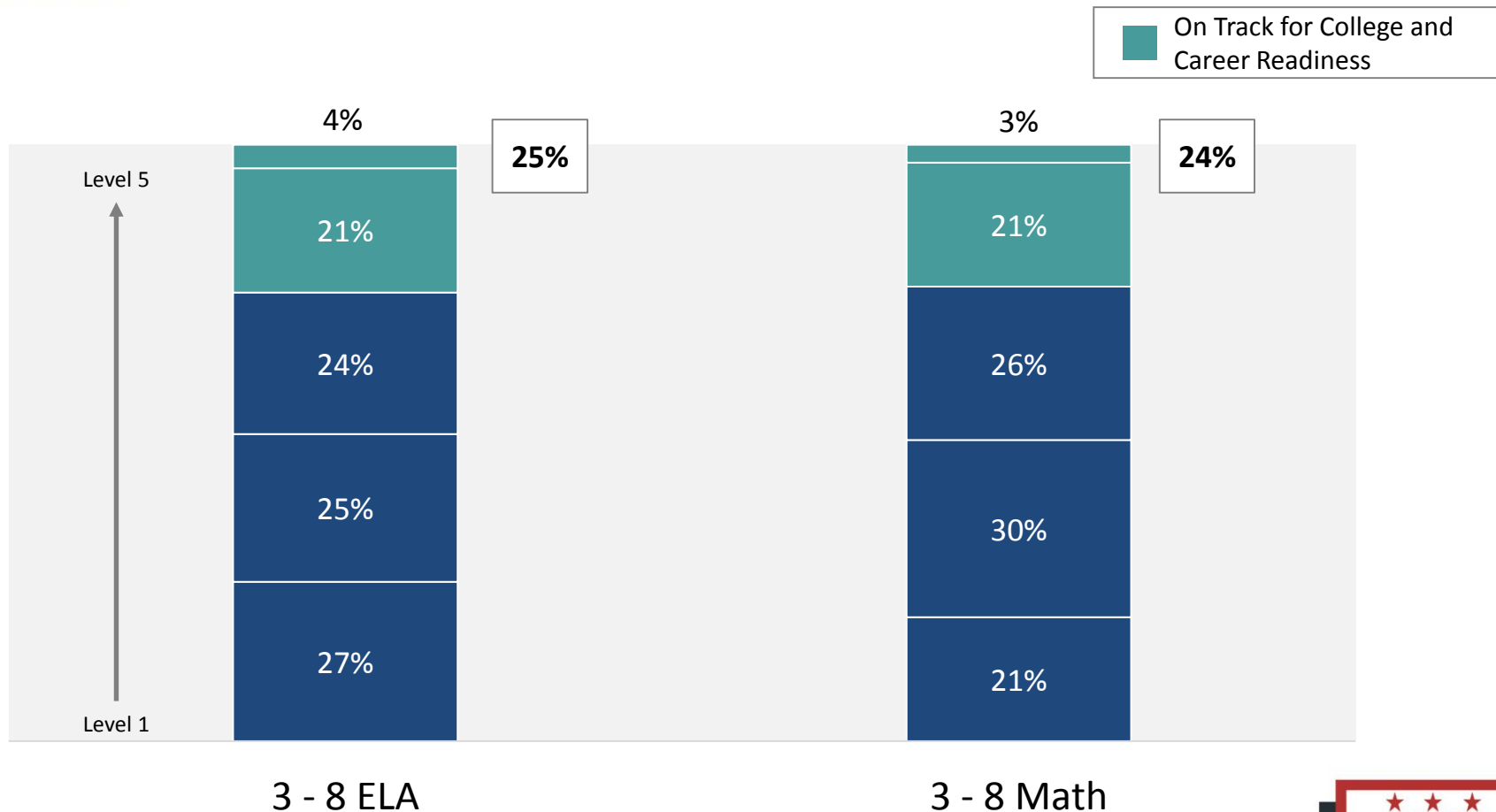


Takeaways

- Promising results at lower grades
- Advanced students doing very well
- We have much more work to do
- Our results will get better over time



Aggregate 3rd to 8th Grade Results

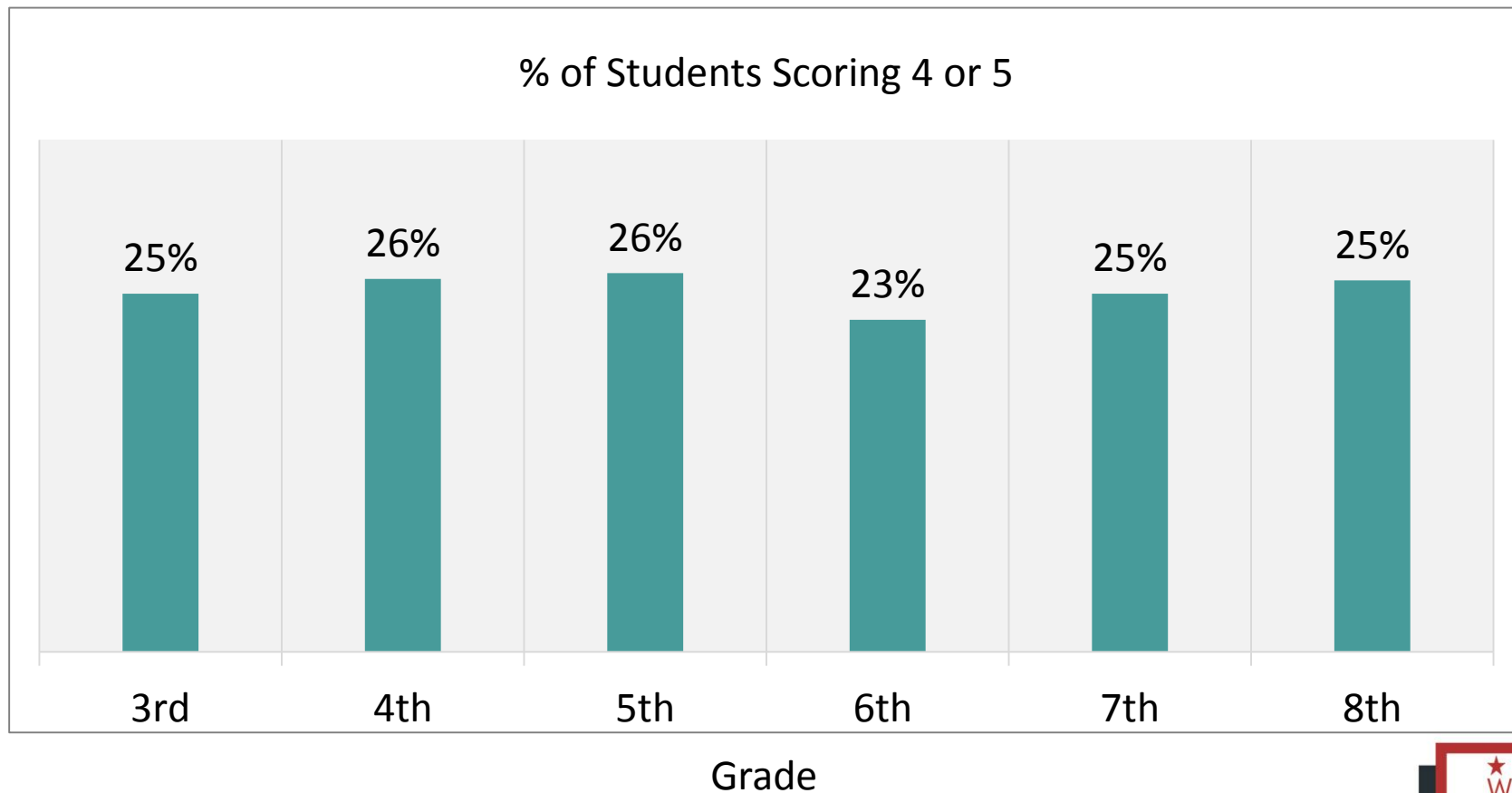




3rd – 8th English Language Arts Results

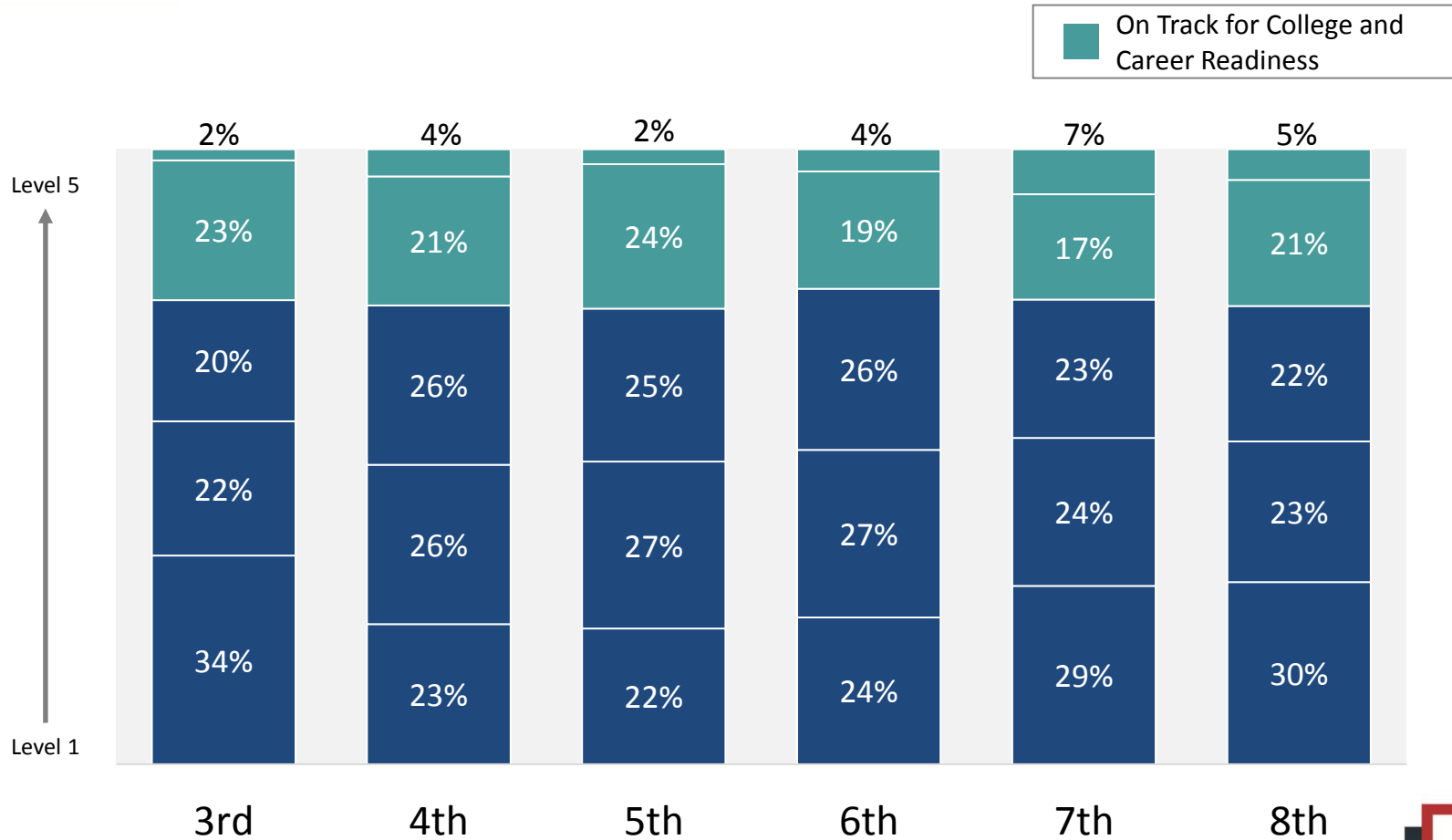


3-8 ELA Performance by Assessment



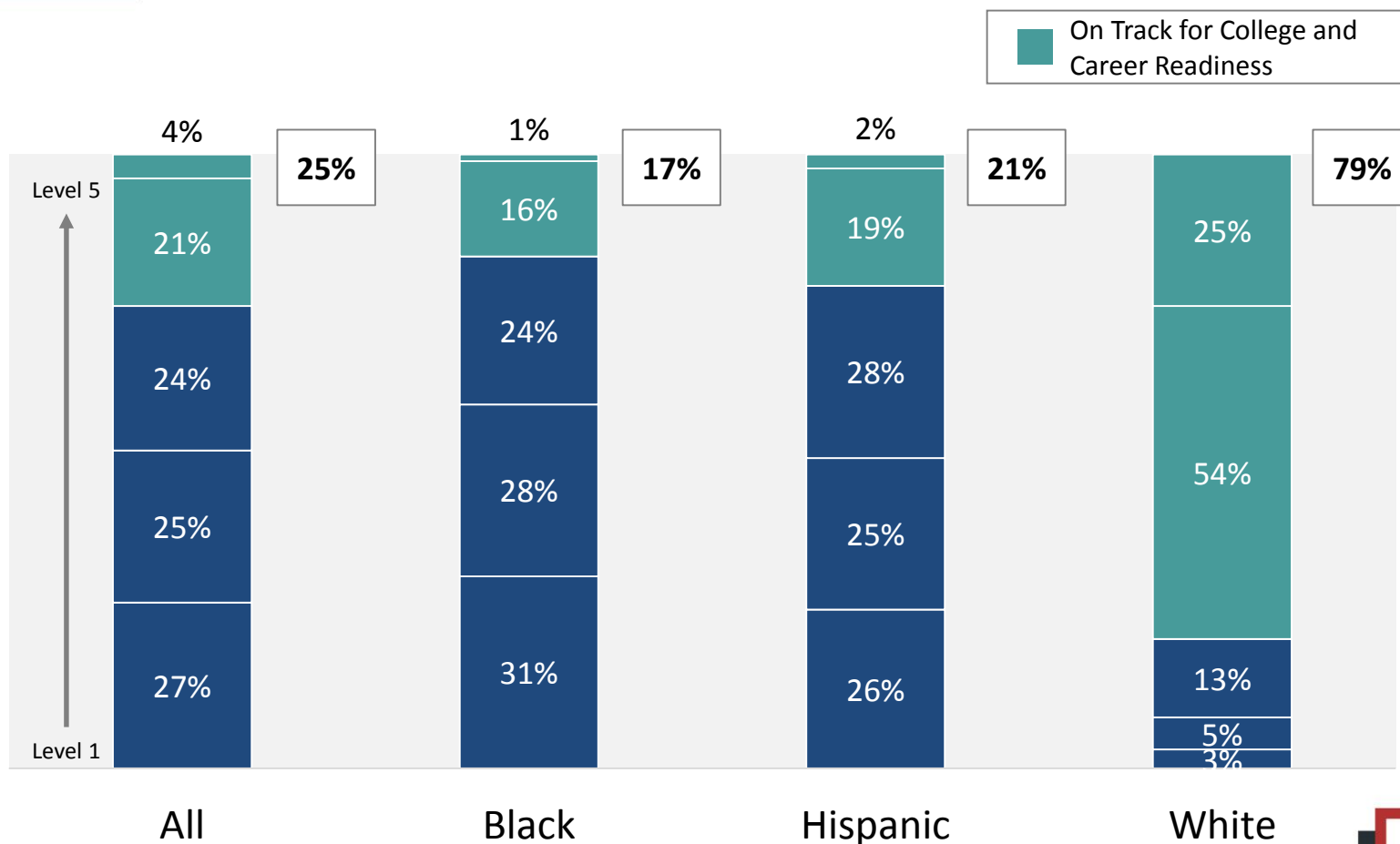


3-8 ELA Results by Assessment





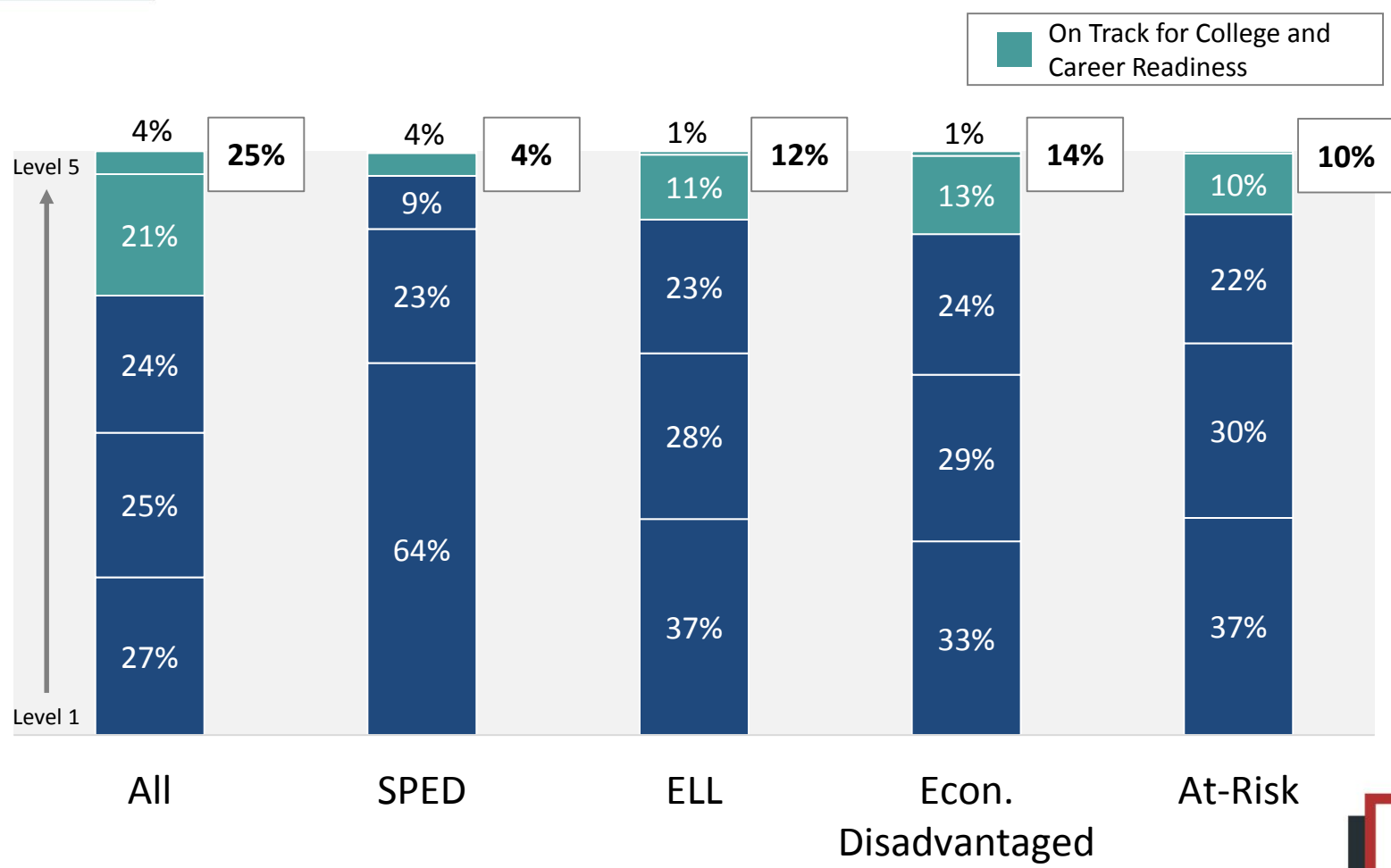
3-8 ELA Results by Race/Ethnicity



12 *Percentage of test takers by race/ethnicity: Black (N=19,874; 72%), Hispanic (N=4,056; 15%), White (N=2,670; 10%)



3-8 ELA Results by Special Population



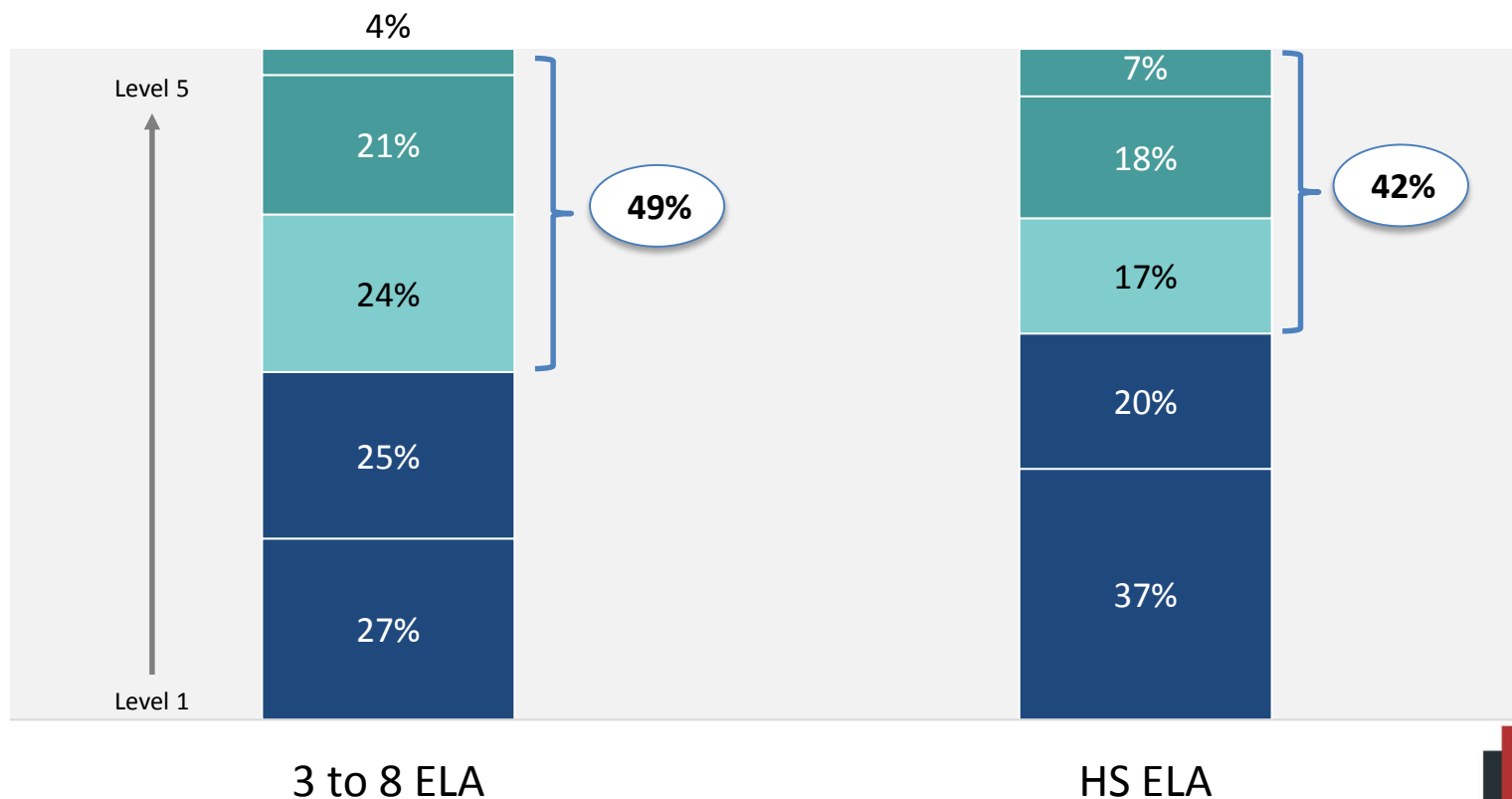
¹³*Percentage of test takers : SPED (N=4,427; 16%), ELL (N=2,833; 10%), Econ. Dis. (N=20,760; 75%), At-Risk (N=13,433; 49%)





ELA: 3rd - 8th Compared to HS Results

Due to the larger number of students exceeding, meeting, and approaching expectations in earlier grades, we are optimistic that results will improve over time

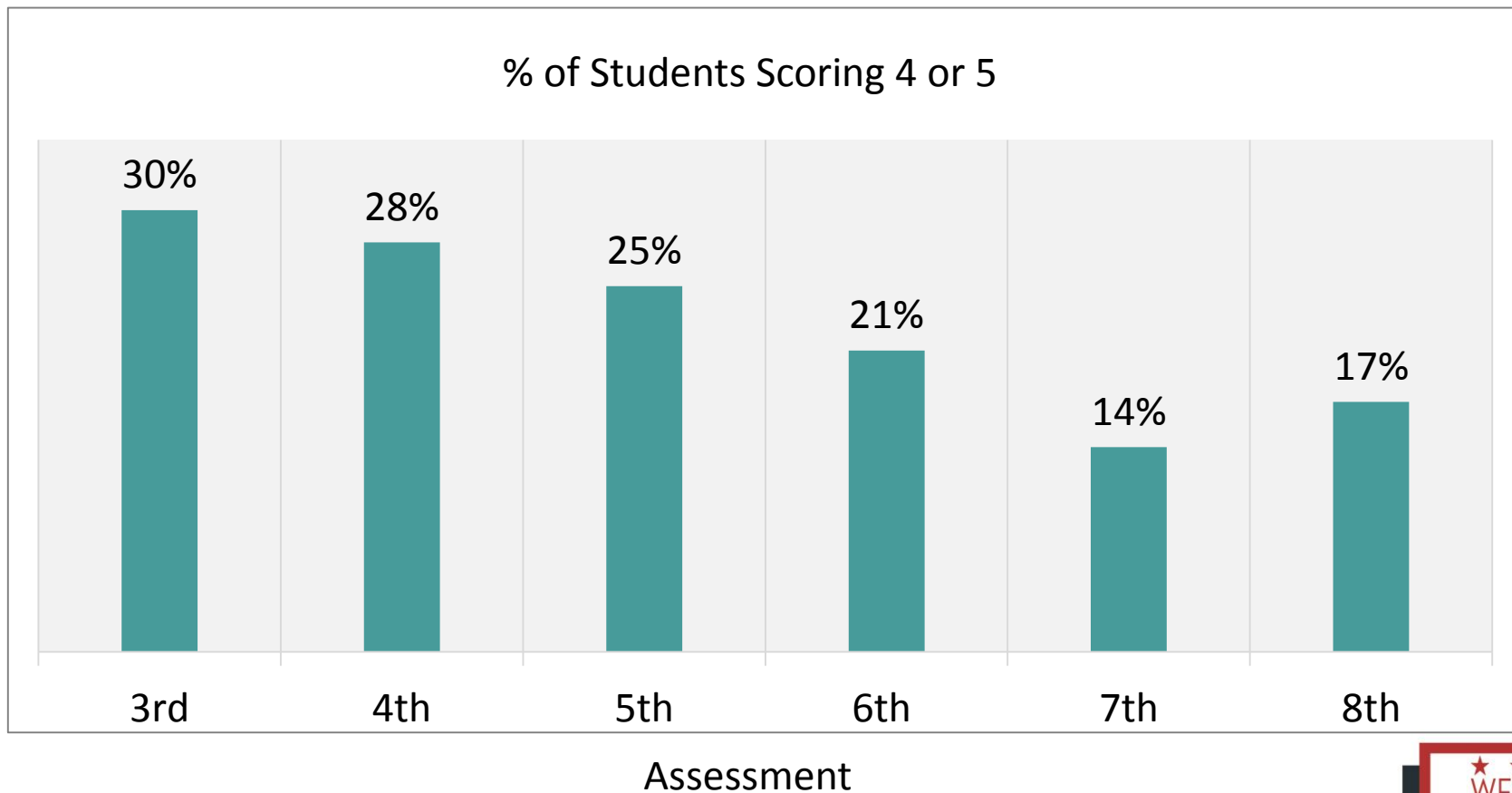




3rd – 8th Math Results

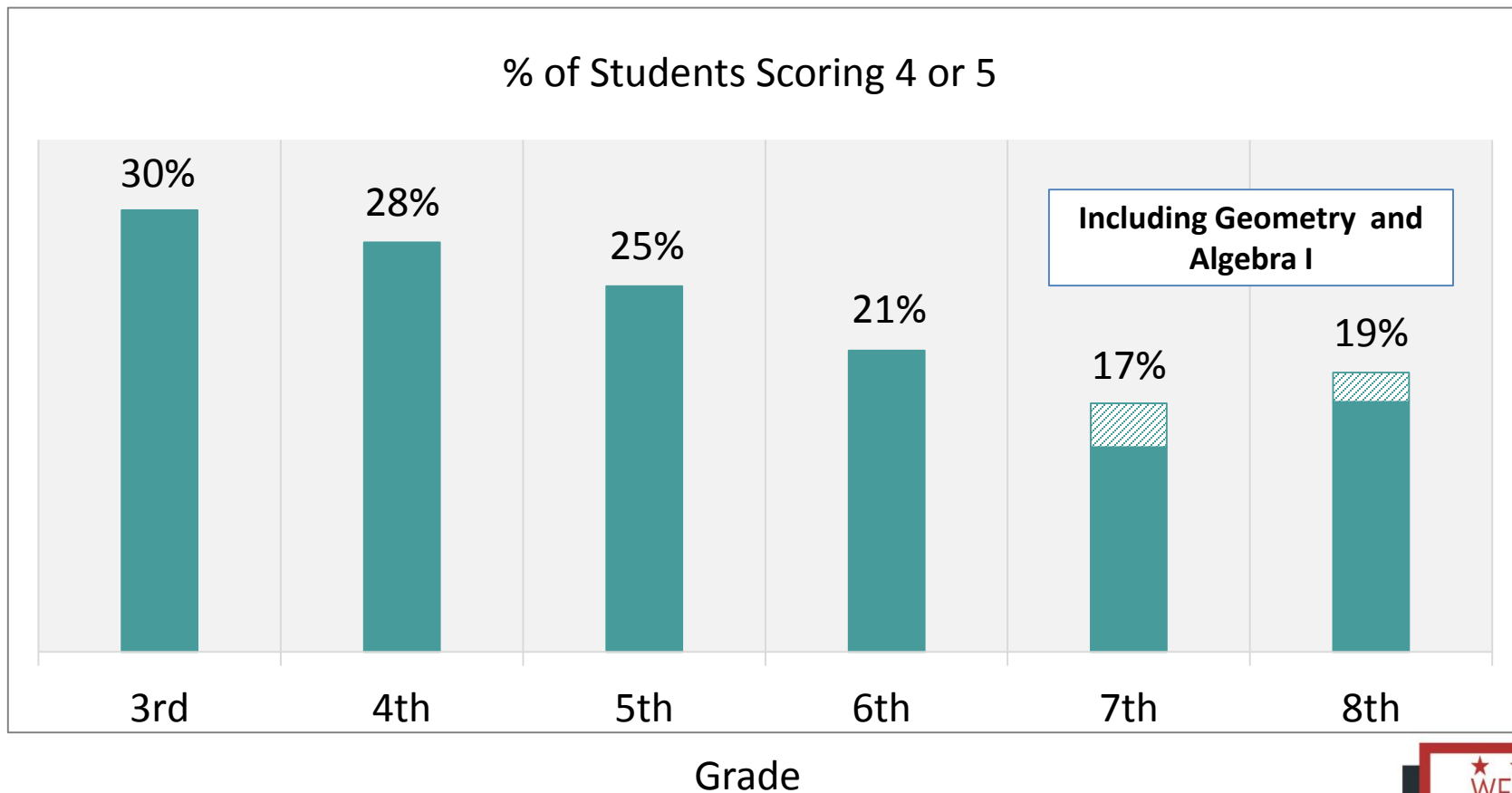


3-8 Math Performance by Assessment



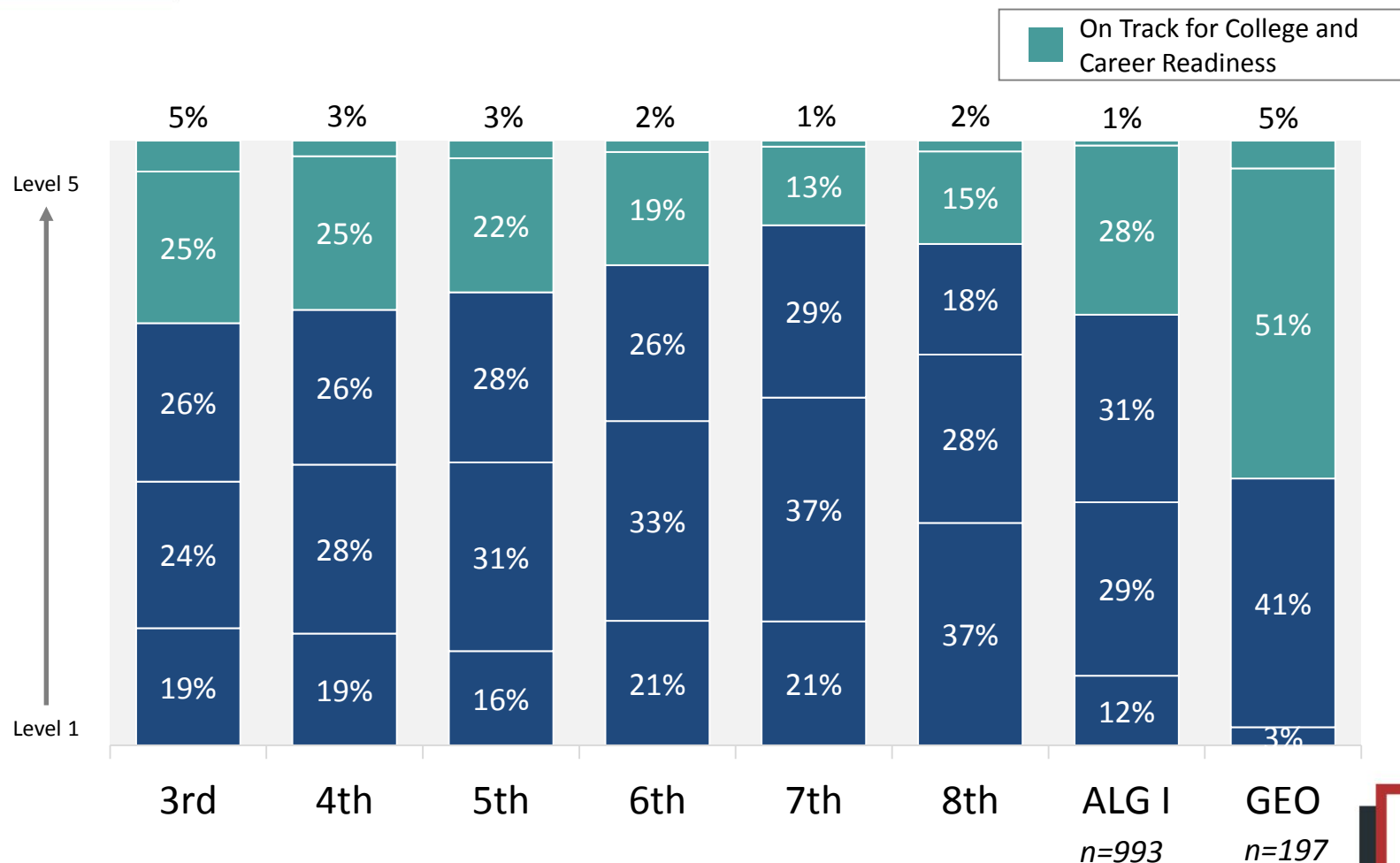


3-8 Math Performance by Grade





3-8 Math Results by Assessment

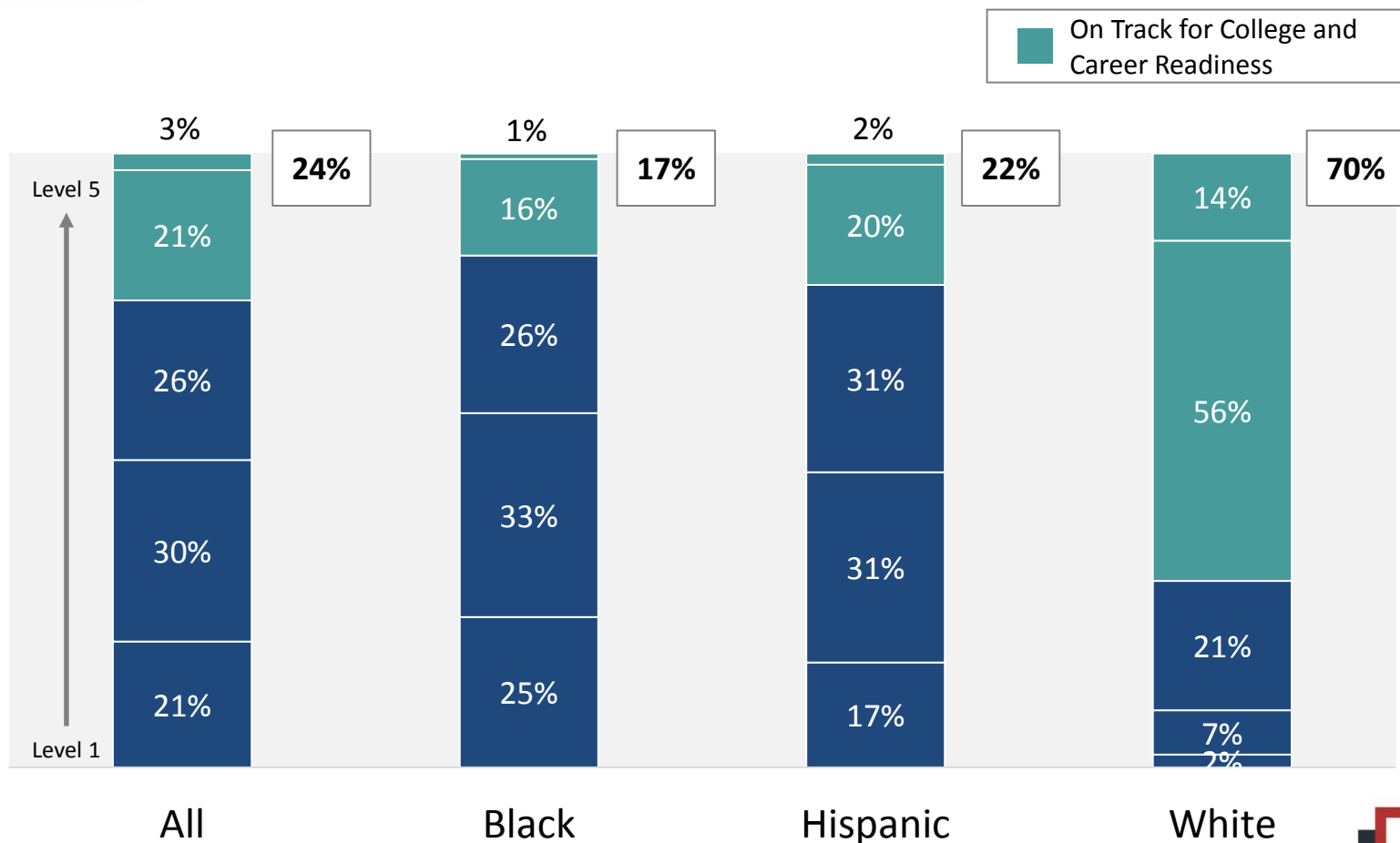


18 *Only 7th/8th grade test-takers are included in Algebra I and Geometry results



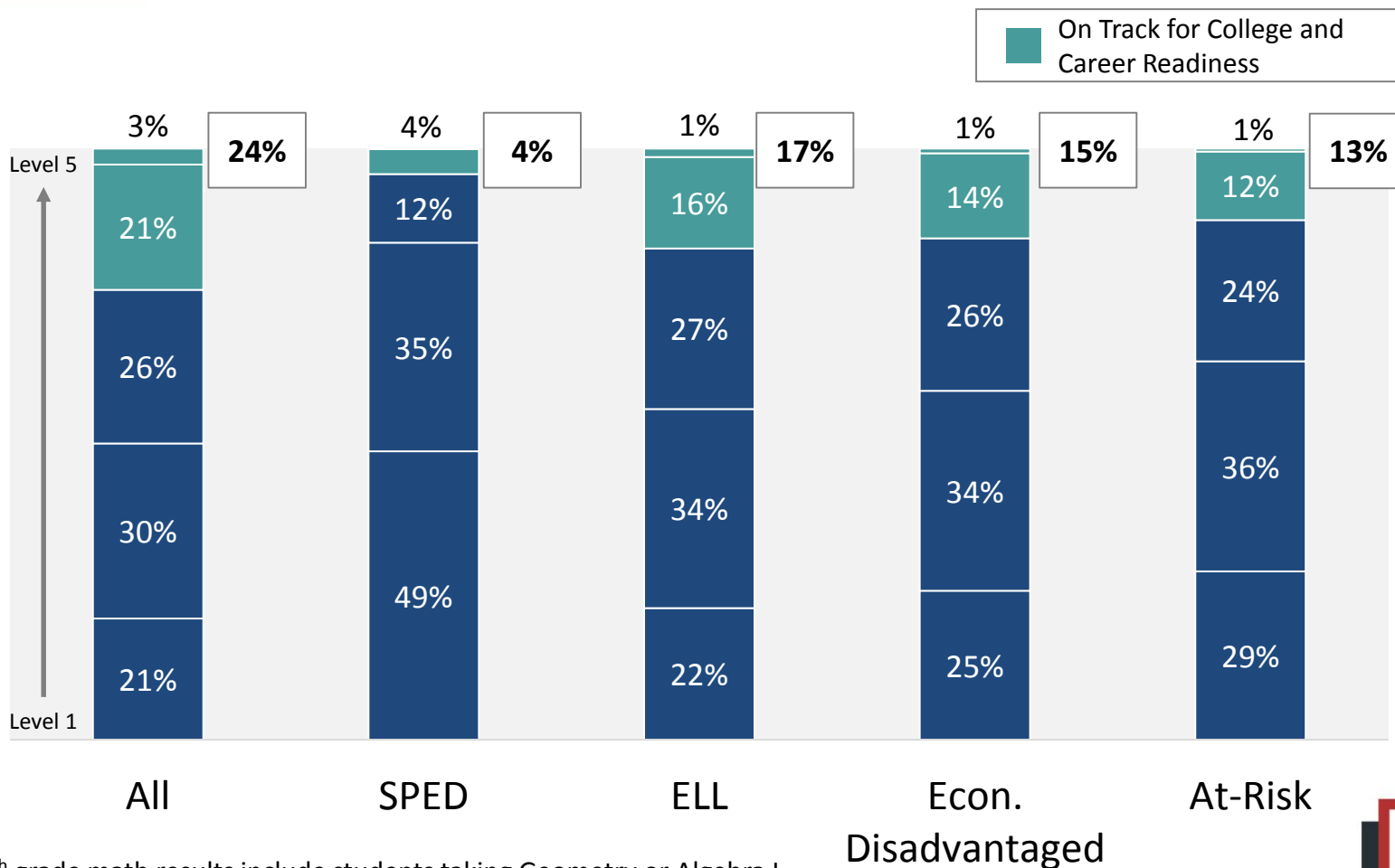


3-8 Math Results by Race/Ethnicity





3-8 Math Results by Special Population



*7th/8th grade math results include students taking Geometry or Algebra I

20

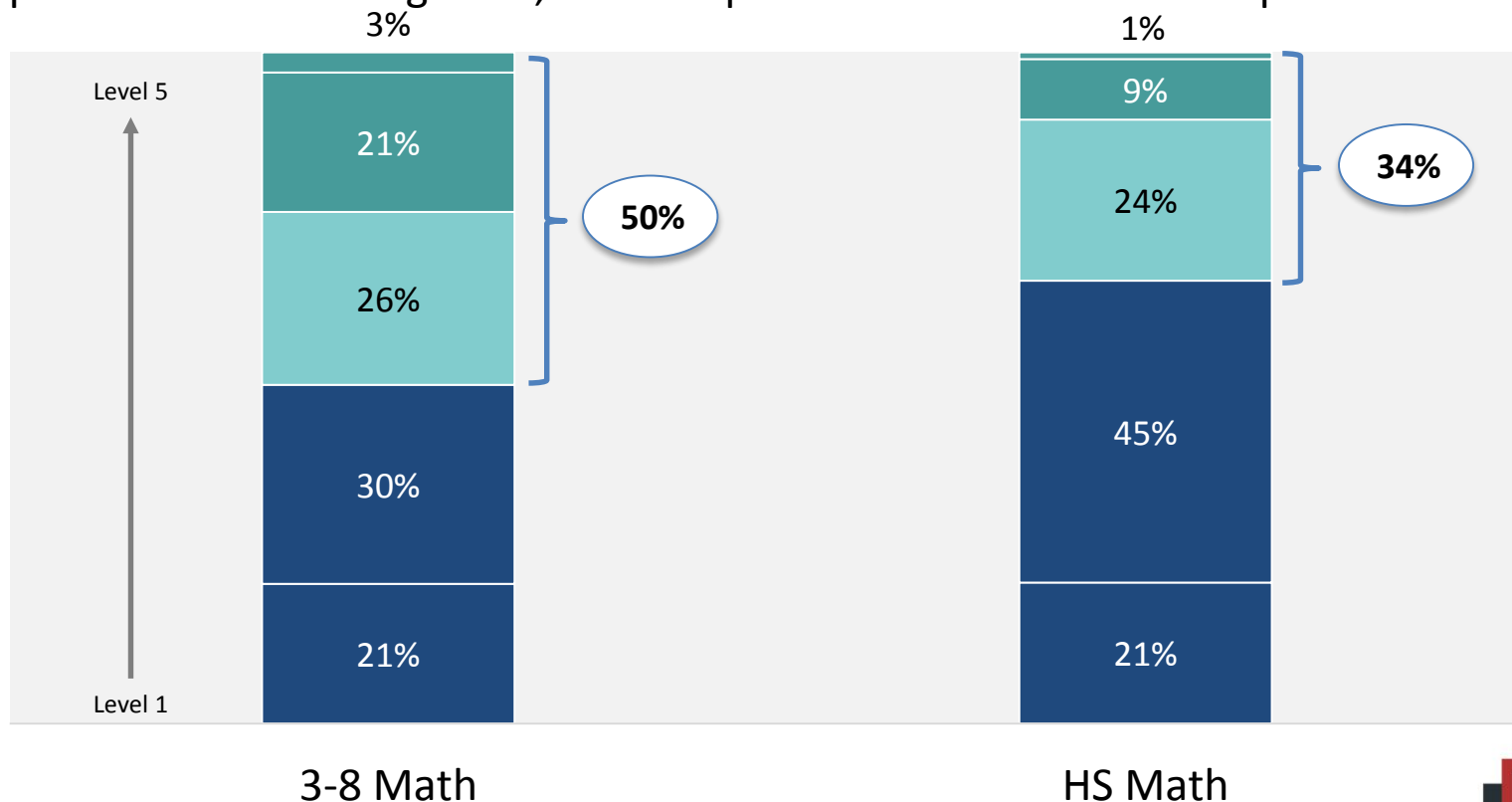
*Percentage of test takers: SPED (N=4,411; 16%), ELL (N=2,880; 10%), Econ. Dis. (N=20,799; 75%), At-Risk (N=13,438; 49%)





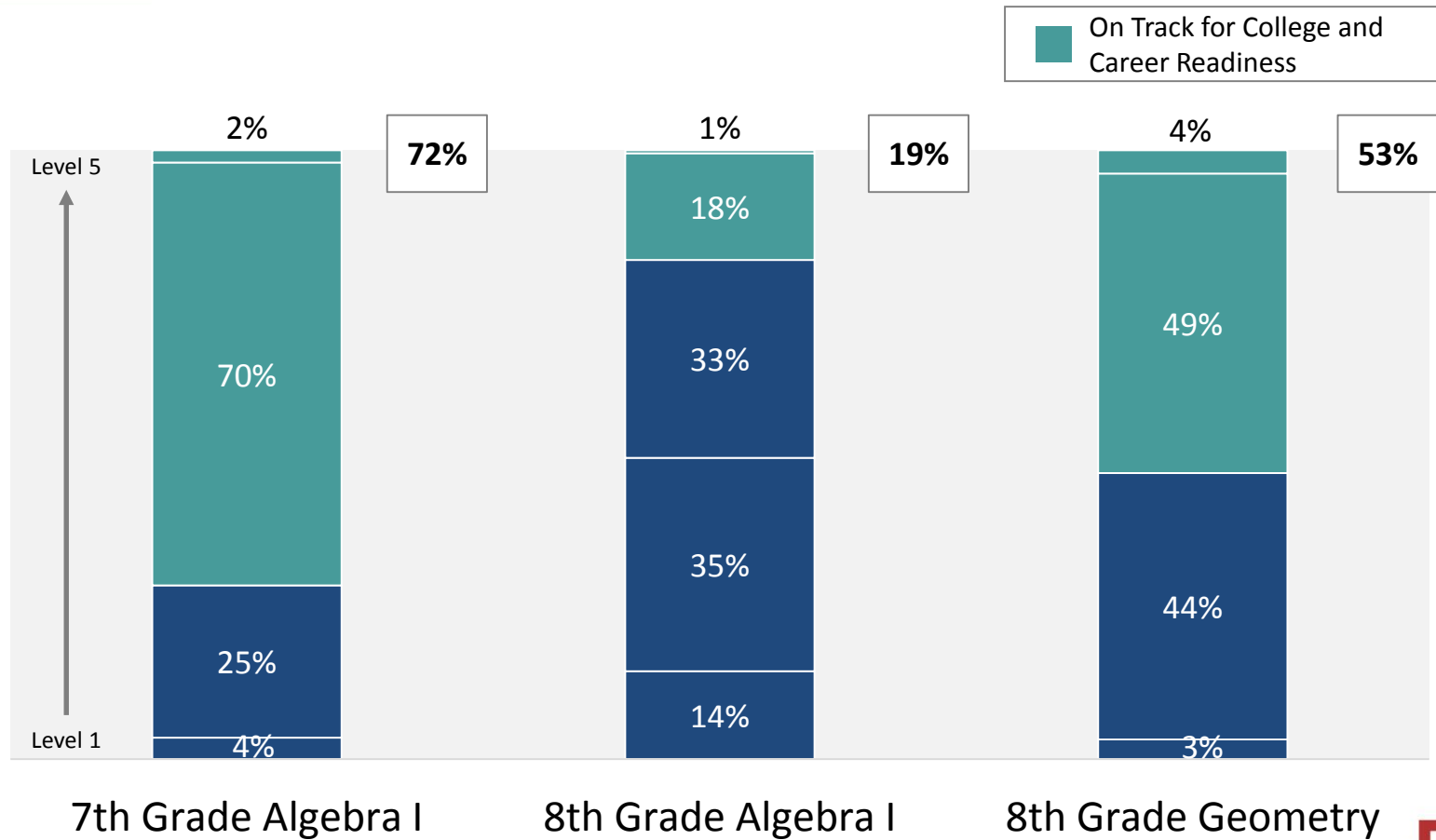
Math: 3rd - 8th Compared to HS Results

Due to the larger number of students exceeding, meeting, and approaching expectations in earlier grades, we are optimistic that results will improve over time





Advanced Math Assessments



*Number of test takers by assessment: 7th grade ALG I (N=200), 8th grade ALG I (N=793), 8th grade GEO (N=185)

*Fewer than 25 students took 7th Grade Geometry, so this data is suppressed



Takeaways

- Promising results at lower grades
- Advanced students doing very well
- We have much more work to do
- Our results will get better over time



Supporting the Needs of Our Students

- Important supports already in place
 - At-risk funding to support most vulnerable students
 - Early and effective implementation of Common Core State Standards
 - Universal access to pre-Kindergarten
 - Ongoing work of local education agencies and schools

- Pilot programs and new initiatives
 - Community schools
 - Early literacy grants
 - Increased focus on quality in early childhood education
 - DC STEM network



New Supports for Families and Educators

- Available today at osse.dc.gov/parcc
 - Video and other resources for families, educators, and schools to understand PARCC score reports and help support students
 - Score report templates and parent guides translated into multiple languages
 - Links to PARCC-provided resources, including extensive released test items with student work samples



PARCC Resources Available in December

- **Parents and families** will receive individual student PARCC score reports from schools and be able to view school-level PARCC results on My School DC
- **Public** will have access to an interactive platform to view overall and subgroup results at state, LEA, school level
- **LEAs and schools** will have access to student-level results by subcategory, also have options for providing access to **educators**



What's Next in 2016

- **Educators** will be able to log into platform and “drill down” to classroom and individual student results
- 2015-16 school year PARCC assessments will be administered for grades 3-8 and high school from **March 28 – May 20, 2016** with results available in summer 2016



Appendix



ELA: 3rd – 8th Grade Results by Sector

	Student Results by Performance Level						
	% at Level 1	% at Level 2	% at Level 3	% at Level 4	% at Level 5	% 3+	% 4 +
Statewide	27%	25%	24%	21%	4%	48%	25%
Public Charter Schools (PCS)	22%	26%	27%	22%	3%	52%	25%
DCPS	31%	24%	21%	20%	5%	46%	25%



ELA: 3rd – 8th Grade Results

	Aggregate Student Performance by Sector					
	State 3+	State 4+	PCS 3+	PCS 4+	DCPS 3+	DCPS 4+
All	48%	25%	52%	25%	46%	25%
Black or African American	41%	17%	48%	21%	34%	13%
Hispanic/Latino	49%	21%	54%	22%	47%	21%
White	92%	79%	92%	80%	92%	79%
Special Education	13%	4%	18%	5%	10%	3%
English Language Learner	35%	12%	37%	11%	33%	12%
Economically Disadvantaged	38%	14%	46%	18%	33%	11%
At-Risk	33%	11%	41%	15%	27%	8%
Female	55%	29%	58%	29%	52%	29%
Male	42%	20%	46%	21%	39%	20%



ELA: 3rd Grade Results

	Aggregate Student Performance by Sector					
	State 3+	State 4+	PCS 3+	PCS 4+	DCPS 3+	DCPS 4+
All	44%	25%	48%	26%	42%	24%
Black or African American	37%	17%	46%	23%	29%	12%
Hispanic/Latino	40%	17%	44%	18%	38%	16%
White	89%	71%	87%	71%	89%	71%
Special Education	14%	4%	20%	6%	10%	3%
English Language Learner	35%	15%	37%	13%	35%	15%
Economically Disadvantaged	34%	15%	43%	20%	28%	12%
At-Risk	28%	11%	39%	16%	21%	8%
Female	48%	27%	52%	28%	45%	27%
Male	41%	22%	45%	24%	39%	21%



ELA: 4th Grade Results

	Aggregate Student Performance by Sector					
	State 3+	State 4+	PCS 3+	PCS 4+	DCPS 3+	DCPS 4+
All	51%	26%	51%	22%	52%	28%
Black or African American	43%	16%	48%	17%	39%	15%
Hispanic/Latino	53%	23%	51%	23%	54%	23%
White	93%	79%	89%	79%	94%	79%
Special Education	14%	5%	19%	6%	10%	4%
English Language Learner	43%	14%	41%	12%	44%	15%
Economically Disadvantaged	41%	14%	46%	16%	38%	12%
At-Risk	35%	10%	40%	13%	32%	8%
Female	57%	29%	56%	26%	58%	32%
Male	46%	22%	46%	18%	46%	24%



ELA: 5th Grade Results

	Aggregate Student Performance by Sector					
	State 3+	State 4+	PCS 3+	PCS 4+	DCPS 3+	DCPS 4+
All	51%	26%	57%	29%	47%	24%
Black or African American	43%	17%	51%	22%	37%	13%
Hispanic/Latino	52%	23%	61%	27%	47%	20%
White	91%	80%	93%	82%	90%	80%
Special Education	15%	4%	22%	6%	10%	4%
English Language Learner	35%	10%	42%	8%	32%	10%
Economically Disadvantaged	41%	14%	48%	19%	36%	11%
At-Risk	36%	12%	44%	18%	30%	8%
Female	56%	31%	62%	34%	53%	28%
Male	45%	21%	52%	24%	41%	19%



ELA: 6th Grade Results

	Aggregate Student Performance by Sector					
	State 3+	State 4+	PCS 3+	PCS 4+	DCPS 3+	DCPS 4+
All	49%	23%	53%	23%	45%	23%
Black or African American	42%	15%	48%	18%	34%	12%
Hispanic/Latino	51%	20%	54%	20%	48%	21%
White	92%	79%	92%	78%	92%	80%
Special Education	12%	3%	16%	4%	8%	1%
English Language Learner	28%	9%	32%	9%	24%	9%
Economically Disadvantaged	39%	13%	46%	15%	33%	10%
At-Risk	34%	10%	42%	12%	26%	7%
Female	57%	27%	60%	27%	54%	28%
Male	41%	18%	45%	18%	37%	19%



ELA: 7th Grade Results

	Aggregate Student Performance by Sector					
	State 3+	State 4+	PCS 3+	PCS 4+	DCPS 3+	DCPS 4+
All	47%	25%	51%	25%	44%	24%
Black or African American	39%	16%	46%	20%	32%	12%
Hispanic/Latino	53%	22%	55%	20%	50%	24%
White	93%	84%	96%	85%	92%	83%
Special Education	13%	4%	15%	5%	11%	4%
English Language Learner	24%	6%	27%	5%	20%	8%
Economically Disadvantaged	37%	14%	44%	17%	31%	11%
At-Risk	32%	11%	39%	14%	26%	8%
Female	54%	29%	56%	28%	52%	30%
Male	40%	20%	46%	21%	36%	19%



ELA: 8th Grade Results

	Aggregate Student Performance by Sector					
	State 3+	State 4+	PCS 3+	PCS 4+	DCPS 3+	DCPS 4+
All	48%	25%	53%	27%	43%	24%
Black or African American	41%	18%	50%	24%	33%	14%
Hispanic/Latino	53%	26%	58%	27%	50%	25%
White	94%	86%	95%	84%	94%	86%
Special Education	12%	5%	14%	6%	11%	4%
English Language Learner	32%	11%	40%	15%	24%	7%
Economically Disadvantaged	38%	15%	46%	20%	31%	12%
At-Risk	35%	13%	44%	18%	27%	9%
Female	57%	32%	62%	34%	52%	30%
Male	38%	19%	43%	20%	35%	18%



Math: 3rd – 8th Grade Results by Sector

	Student Results by Performance Level						
	% at Level 1	% at Level 2	% at Level 3	% at Level 4	% at Level 5	% 3 +	% 4 +
Statewide	21%	30%	26%	21%	3%	50%	24%
Public Charter Schools (PCS)	16%	30%	28%	23%	2%	54%	26%
DCPS	24%	30%	24%	20%	3%	47%	23%



Math: 3rd – 8th Grade Results

	Aggregate Student Performance by Sector					
	State 3+	State 4+	PCS 3+	PCS 4+	DCPS 3+	DCPS 4+
All	50%	24%	54%	26%	47%	23%
Black or African American	42%	17%	51%	22%	35%	12%
Hispanic/Latino	52%	21%	53%	21%	51%	22%
White	91%	70%	91%	71%	91%	69%
Special Education	16%	4%	21%	6%	12%	3%
English Language Learner	44%	17%	41%	13%	46%	19%
Economically Disadvantaged	41%	15%	48%	20%	36%	12%
At-Risk	36%	12%	44%	17%	30%	8%
Female	52%	25%	56%	26%	50%	24%
Male	47%	23%	52%	25%	44%	22%

38 *Figures include 7th and 8th graders who took Geometry and Algebra I



Math: 3rd Grade Results

	Aggregate Student Performance by Sector					
	State 3+	State 4+	PCS 3+	PCS 4+	DCPS 3+	DCPS 4+
All	56%	30%	59%	31%	55%	30%
Black or African American	49%	23%	57%	30%	43%	17%
Hispanic/Latino	56%	25%	56%	24%	56%	26%
White	92%	73%	93%	68%	92%	74%
Special Education	21%	6%	30%	8%	16%	5%
English Language Learner	54%	24%	51%	19%	56%	26%
Economically Disadvantaged	48%	22%	55%	28%	45%	18%
At-Risk	42%	17%	51%	25%	37%	13%
Female	57%	29%	59%	30%	56%	29%
Male	56%	31%	59%	33%	54%	31%



Math: 4th Grade Results

	Aggregate Student Performance by Sector					
	State 3+	State 4+	PCS 3+	PCS 4+	DCPS 3+	DCPS 4+
All	54%	28%	56%	28%	52%	28%
Black or African American	45%	20%	53%	26%	39%	15%
Hispanic/Latino	59%	26%	56%	21%	60%	28%
White	91%	72%	92%	66%	91%	74%
Special Education	19%	7%	27%	10%	13%	5%
English Language Learner	53%	21%	47%	13%	56%	25%
Economically Disadvantaged	44%	18%	51%	23%	40%	15%
At-Risk	38%	14%	46%	20%	33%	10%
Female	56%	29%	58%	29%	55%	30%
Male	51%	27%	53%	27%	50%	27%



Math: 5th Grade Results

	Aggregate Student Performance by Sector					
	State 3+	State 4+	PCS 3+	PCS 4+	DCPS 3+	DCPS 4+
All	53%	25%	59%	28%	49%	23%
Black or African American	46%	17%	54%	23%	40%	13%
Hispanic/Latino	53%	22%	57%	22%	51%	22%
White	90%	72%	90%	68%	91%	75%
Special Education	19%	5%	21%	6%	17%	4%
English Language Learner	43%	12%	40%	9%	44%	13%
Economically Disadvantaged	45%	16%	52%	20%	40%	13%
At-Risk	40%	13%	47%	19%	36%	10%
Female	55%	26%	59%	28%	52%	25%
Male	51%	24%	58%	28%	47%	22%



Math: 6th Grade Results

	Aggregate Student Performance by Sector					
	State 3+	State 4+	PCS 3+	PCS 4+	DCPS 3+	DCPS 4+
All	46%	21%	50%	22%	43%	20%
Black or African American	39%	13%	46%	17%	30%	9%
Hispanic/Latino	50%	19%	45%	15%	54%	23%
White	91%	71%	92%	76%	91%	69%
Special Education	15%	4%	20%	5%	10%	2%
English Language Learner	34%	14%	33%	13%	36%	14%
Economically Disadvantaged	37%	12%	42%	14%	31%	9%
At-Risk	32%	9%	38%	11%	26%	6%
Female	49%	22%	51%	23%	47%	22%
Male	44%	19%	48%	21%	39%	17%



Math: 7th Grade Results (All Tests)

	Aggregate Student Performance by Sector					
	State 3+	State 4+	PCS 3+	PCS 4+	DCPS 3+	DCPS 4+
All	45%	17%	51%	19%	41%	15%
Black or African American	38%	10%	46%	14%	29%	6%
Hispanic/Latino	48%	16%	53%	18%	44%	15%
White	92%	67%	95%	75%	91%	63%
Special Education	13%	3%	18%	4%	9%	2%
English Language Learner	27%	7%	29%	7%	24%	7%
Economically Disadvantaged	36%	9%	44%	13%	29%	6%
At-Risk	32%	6%	40%	10%	24%	3%
Female	49%	18%	52%	19%	46%	17%
Male	42%	17%	49%	19%	35%	14%



Math: 7th Grade Results (7th Math)

	Aggregate Student Performance by Sector					
	State 3+	State 4+	PCS 3+	PCS 4+	DCPS 3+	DCPS 4+
All	43%	14%	51%	19%	34%	9%
Black or African American	37%	10%	46%	14%	27%	5%
Hispanic/Latino	47%	15%	53%	18%	41%	12%
White	88%	59%	95%	75%	80%	40%
Special Education	13%	2%	18%	4%	8%	1%
English Language Learner	26%	5%	29%	7%	21%	3%
Economically Disadvantaged	36%	9%	44%	13%	28%	5%
At-Risk	31%	6%	40%	10%	24%	3%
Female	46%	14%	52%	19%	39%	9%
Male	39%	14%	49%	19%	29%	8%



Math: 7th Grade Results (Algebra I)

	Aggregate Student Performance by Sector					
	State 3+	State 4+	PCS 3+	PCS 4+	DCPS 3+	DCPS 4+
All	97%	72%	n<25	n<25	97%	71%
Black or African American	89%	47%	n<25	n<25	89%	46%
Hispanic/Latino	n<25	n<25	n<25	n<25	n<25	n<25
White	100%	80%	n<25	n<25	100%	80%
Special Education	n<25	n<25	n<25	n<25	n<25	n<25
English Language Learner	n<25	n<25	n<25	n<25	n<25	n<25
Economically Disadvantaged	88%	60%	n<25	n<25	88%	60%
At-Risk	n<25	n<25	n<25	n<25	n<25	n<25
Female	97%	71%	n<25	n<25	97%	71%
Male	96%	72%	n<25	n<25	96%	71%



Math: 7th Grade Results (Geometry)

Total number of test takers state-wide
was 12, so data are not reportable



Math: 8th Grade Results (All Tests)

	Aggregate Student Performance by Sector					
	State 3+	State 4+	PCS 3+	PCS 4+	DCPS 3+	DCPS 4+
All	41%	19%	51%	27%	33%	12%
Black or African American	35%	15%	48%	24%	24%	6%
Hispanic/Latino	41%	17%	52%	25%	34%	12%
White	87%	56%	84%	72%	88%	50%
Special Education	8%	2%	12%	4%	6%	1%
English Language Learner	26%	10%	40%	16%	15%	5%
Economically Disadvantaged	32%	13%	45%	21%	22%	5%
At-Risk	29%	10%	42%	18%	19%	4%
Female	45%	21%	55%	30%	37%	14%
Male	37%	16%	46%	24%	30%	10%



Math: 8th Grade Results (8th Math)

	Aggregate Student Performance by Sector					
	State 3+	State 4+	PCS 3+	PCS 4+	DCPS 3+	DCPS 4+
All	35%	17%	51%	28%	14%	3%
Black or African American	33%	15%	49%	25%	14%	3%
Hispanic/Latino	38%	17%	53%	26%	15%	2%
White	74%	59%	84%	72%	n<25	n<25
Special Education	7%	2%	12%	4%	3%	1%
English Language Learner	27%	10%	40%	16%	10%	2%
Economically Disadvantaged	30%	13%	46%	22%	13%	2%
At-Risk	27%	10%	42%	19%	12%	2%
Female	40%	20%	55%	31%	18%	4%
Male	30%	14%	47%	25%	11%	2%



Math: 8th Grade Results (Algebra I)

	Aggregate Student Performance by Sector					
	State 3+	State 4+	PCS 3+	PCS 4+	DCPS 3+	DCPS 4+
All	51%	18%	35%	12%	53%	19%
Black or African American	47%	14%	35%	11%	50%	15%
Hispanic/Latino	41%	14%	n<25	n<25	41%	15%
White	86%	45%	n<25	n<25	85%	44%
Special Education	20%	2%	n<25	n<25	21%	2%
English Language Learner	18%	5%	n<25	n<25	18%	5%
Economically Disadvantaged	40%	12%	30%	8%	42%	12%
At-Risk	41%	11%	34%	6%	43%	13%
Female	53%	20%	39%	12%	55%	21%
Male	48%	16%	31%	11%	50%	17%



Math: 8th Grade Results (Geometry)

	Aggregate Student Performance by Sector					
	State 3+	State 4+	PCS 3+	PCS 4+	DCPS 3+	DCPS 4+
All	97%	53%	n<25	n<25	97%	53%
Black or African American	89%	12%	n<25	n<25	88%	12%
Hispanic/Latino	n<25	n<25	n<25	n<25	n<25	n<25
White	98%	61%	n<25	n<25	98%	61%
Special Education	n<25	n<25	n<25	n<25	n<25	n<25
English Language Learner	n<25	n<25	n<25	n<25	n<25	n<25
Economically Disadvantaged	n<25	n<25	n<25	n<25	n<25	n<25
At-Risk	n<25	n<25	n<25	n<25	n<25	n<25
Female	96%	51%	n<25	n<25	96%	51%
Male	98%	55%	n<25	n<25	98%	55%